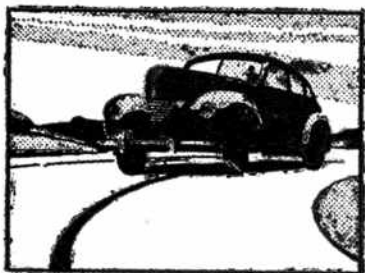


# Drive Safely—Return Safely... Good Motto For Y-12ers On Holiday

What probably will be the heaviest week-end traffic of the year so far will greet Y-12 motorists taking advantage of the long Memorial Day holiday to make trips to distant points. This heavy traffic will create many highway hazards, some of the most common of which are pictured here.

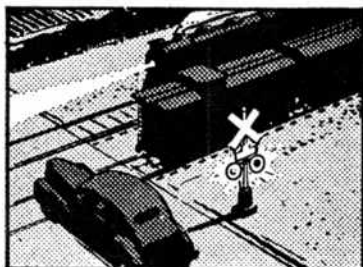
There are a lot of curves and hills on highways in this section of the United States and many serious accidents are caused by motorists cutting to the wrong side of a road on taking a curve or mounting a crest of a hill. Drivers should keep on their own side of the road at all times when in such zones



where visibility is limited. Passing should only be attempted on straight stretches where oncoming traffic easily can be seen.

Another dangerous hazard facing

motorists is a railroad grade crossing. Extreme care should be taken in approaching these crossings, even when guarded by automatic signals. The vehicle should be kept at such a speed so that an almost



instant stop can be made. Even more precaution should be used in crossing railroad tracks where there are one or more tracks; after a train has passed in one direction—look both ways to see that ad-

ditional trains are not approaching from an opposite direction.

The drinking driver presents one of the most dangerous factors on roads and streets of the nation. They should be given as wide a berth as possible if spotted in time. Alcohol slows all reflexes of a



driver, causes misjudgements in distances and speed. If any motorist feels the need of a "little nip" while on the road—just wait until the destination is reached. Otherwise the "little nip" might result in a "little nap"—permanent, that is, for himself and possibly a lot of innocent persons.

Just plain speed is responsible for many highway fatalities, even on straight roads with little or no traffic. Every careful driver should observe all stated speed limits, not only as a safety precaution but also to avoid possible speed traps—of which many still remain in certain parts of the country.

Summing up—observance of these cardinal rules of highway safety will do much toward making trips more enjoyable and avoid any possibility of ending up in a pile of twisted metal—and maybe bodies.

## Lead In Attendance Is Taken By Guards

The Guard Department advanced from eighth to first place in the attendance standings in Y-12 for the week ending May 14, replacing Field Maintenance, which dropped to second place. Buildings and Grounds took third place, stepping up from fourth position held the preceding week.

The Guards reported only .2 per cent of their personnel absent in taking over the lead. Field Maintenance was close behind with an absentee mark of .4 per cent and Buildings and Grounds reported an absentee record of .9 per cent.

### Seven Departments Perfect

In the Minor League seven departments reported perfect attendance records for the week ending May 14, two more than the previous week. Of the seven tied for top position, four were repeaters from the preceding reporting period.

Repeaters were Transportation, Laundry, Maintenance Utilities and Cafeteria and Canteen. Advancing into the "all present" class from second, fourth and seventh places were Uranium Control and Computing, Receiving and Shipping and Planning and Estimating.

Second place in the Minor League

(Continued On Page 4)

## HOLIDAY PUSHES DEADLINE AHEAD, DISTRIBUTION OF BULLETIN BACK

The long Memorial Day holiday week end will make it necessary to move the deadline for news to be published in the May 31 edition of The Bulletin up from Friday to Thursday of this week. Then the papers will be placed in the mail Wednesday, May 31, instead of on Tuesday, which may mean one day delay in The Bulletin reaching homes of Y-12ers.

★ ★ ★ ★ ★

## SAFETY SCOREBOARD

Your Plant Has  
Operated  
334 DAYS  
Without A Lost Time  
Accident  
THROUGH MAY 21

**Y-12**  
CARBIDE  
ILL

# THE BULLETIN

A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF CARBIDE AND CARBON CHEMICALS DIVISION  
UNION CARBIDE AND CARBON CORPORATION

Volume 4, No. 20

OAK RIDGE, TENNESSEE

Wednesday, May 24, 1950

## 'Headlines In Chemistry' Programs On Sunday Reveal Role Of Science In Everyday Living

Chemistry probably holds the leading role among sciences that have most to do with everyday living. The men and women with the test tubes, the white robes and the imaginative brains are constantly at work on ways and means of improving just about every item used by Mr. Citizen—food, clothing, cosmetics, automobiles and myriads of others.

However, Mr. and Mrs. Citizen—for the most part—don't look behind these facts to find out some of the whys, wherefores and how-comes. They accept the outstanding accomplishments of chemistry as a matter of fact—and usually if gently reminded of some of the complexities behind production of what may be considered a rather prosaic article come back with, "So What?"

### Wise Decision Is Made

So the American Chemical Society several years ago decided to do something about it. The ACS wisely did not attempt to cram a lot of technical information down the throats of an unwilling public—it planned a program to bring some of the facts of chemistry's wonders to the people in language that could be understood and in a way that would be entertaining at the same time.

The answer was radio programs—"Headlines in Chemistry"—now being presented for the second year over Oak Ridge Radio Station WATO at 9:15 o'clock every Sunday night. During the 15 minutes on the air speakers do not dwell on long formulas or technical explanations—they tell interesting facts in an interesting manner about ordinary items. Some topics, for instance, included chemistry in soil-less agriculture, chemistry in the kitchen, chemistry in hunting and fishing.

### Number of Listeners Grows

The programs being presented in Oak Ridge are staged practically entirely by home folks—the chemists in the Carbide plants and the Atomic Energy Commission. The East Tennessee Section of the ACS contributes material and assistance in arranging the programs. As a result of these efforts interest in the programs steadily is increasing with the number of listeners growing—even on Sunday nights when

(Continued On Page 4)

★ ★ ★ ★ ★

**CHEMISTRY AND FOOD SUBJECT ON PROGRAM ON SUNDAY, MAY 28**

The topic of the "Headlines in Chemistry" program for Sunday night, May 28, will be chemistry and food. Elvira Kaslauskis, of Oak Ridge National Laboratory and former Y-12 employee, will tell of the part chemistry has played in development of synthetic food mixtures and other items.



6-1455  
Y-12 Photos By Vince Moore  
C. D. SUSANO, OF THE Y-12 TECHNICAL SERVICE LABORATORY, reviews his talk on "Chemistry In Cosmetics" with appropriate "props" before giving the talk on "Headlines in Chemistry" last Sunday night. Susano was one of the group that originated the program in Oak Ridge early in 1949.

## Carbide, AEC Extend Contract For Five Years Beginning July 1

Recent modifications and extension of the contract between Carbide and the Atomic Energy Commission will provide for operation by the Company of Y-12 and other Carbide units in Oak Ridge for a period of five years, beginning July 1, 1950, it has been announced by Clark E. Center, general manager of Carbide installations in Oak Ridge.

The newly modified contract covers operation by Carbide of Y-12, K-25, the Oak Ridge National Laboratory, K-27 and the new K-29 and K-31 plants.

The principal changes in the new document, it is explained, provides for the operation by Carbide of the K-29 and K-31 plants, which now are in process of construction as additions to the facilities at K-25, in addition to the present facilities.

### ATOMS AIDING FARMERS

The Toronto Star recently pointed out that, according to scientists of the Atomic Energy Commission, fertilizer is being made radioactive through mixture with isotopes. This, the paper said, will result in greater harvests being reaped by farmers in the future.

## Plant Protection Office Is Moved To New Quarters

The Y-12 Plant Protection Office now is located in new quarters in Rooms 14, 15 and 16 in the North Portal building, having more room than in the former quarters near the vehicular gate.

T. A. McKenzie, Superintendent of Plant Protection, now is located in Room 16. His secretary, Betty Whitehorn, is in Room 15 and the Security Office with W. T. Hays and Fred Sexton is housed in Room 14.

The telephone number of 7125 for the Plant Protection Office remains unchanged.

## Memorial Day Brings Y-12ers Long Week End

As a result of rearrangement of working hours, Y-12ers will get the first of two four-day holidays during this summer with the observance of Memorial Day. In the week beginning Monday, May 29, day employees (both hourly and salaried) whose regular work week is Monday through Friday will be scheduled to work Wednesday through Saturday. This will allow the holiday to begin Saturday and continue through Sunday, Monday and Tuesday, with work to resume Wednesday. To make up for the Monday holiday, Y-12ers enjoying the long rest, will work on Saturday, June 3.

### Only Skeleton Forces Work

As usual, no Y-12 employees will be required to work during the long week end except those employees whose presence at work is necessary to assure the continuous operation and protection of the plant, such as the skeleton forces which are required to work on a normal Saturday or Sunday. Absences on days immediately before or after the holidays will not be excused except on an emergency basis for which approval of the Division Superintendent must be obtained.

Many Y-12ers will take advantage of the long holiday to travel, either sightseeing or visiting friends and relatives. To the majority who probably will travel by automobile, it is suggested that highway conditions be closely checked before departure. Old highway maps sometimes are undependable because of new road construction that causes detours. Weather conditions also can cause road blocks requiring detours.

### No Ball Games Scheduled

Fishing and picnic trips to nearby spots are expected to draw many Y-12ers, while a few will just take it easy around their homes. Because of the holiday that is expected to take many persons from Oak Ridge, no city league baseball or softball games have been scheduled over the long week end and the Y-12 Plant Softball League will have no games scheduled on Memorial Day, Tuesday, May 30.

After the Memorial Day holiday, Y-12ers again will observe a long week-end holiday on a similar rearrangement of hours for the week beginning July 3 for the regular Independence Day holiday.

### RUSSIAN BOMB DOUBTED

The United States News and World Report in a recent issue reports that well-informed men in industry and the United States government are still far from convinced that Russia really has succeeded in building and detonating an atomic bomb.



# The Bulletin

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OFFICE  
North Portal, Bldg. 9701-1  
Telephone 7-8252



Dr. C. M. Suter

## Dr. Suter To Address Final Meeting Of ACS

An address on "Newer Synthetic Medicinals" by Dr. Chester M. Suter, associate director of the Sterling-Winthrop Research Institute, will mark the final meeting of the season of the East Tennessee Section of the American Chemical Society at 8 o'clock Thursday night, May 25, in Oak Ridge. The meeting will be held at the Oak Terrace and will be preceded by a dinner meeting in the Oak Terrace restaurant at 6:30 p.m. Y-12 chemists who are members of the society may obtain reservations for the dinner from C. W. Schersten, telephone 6192.

### Progress Will Be Described

Dr. Suter will describe the phenomenal rate of progress in the development of synthetic medicinals. The increased tempo of research in the United States since the war in the drug field will be credited primarily to the establishment of numerous well-equipped laboratories by pharmaceutical manufacturers. Increased interest in health problems by government agencies also has contributed to the discovery of new medicinal agents.

The speaker is a native of Minnesota, being born in 1902. The Suter family moved to Oklahoma in 1910 and Chester Merle Suter was graduated from Southwestern College, Winfield, Kan., in 1923. He continued his studies at the University of Kansas and received his Ph.D. degree there in 1927. He later became instructor in chemistry at Northwestern University, advancing to chairman of the chemistry department of the university in 1942. He resigned this position in 1942 and became director of chemical research for the Winthrop Chemical Co., of Rensselaer, N.Y. In 1946 Dr. Suter was appointed associate director of research in charge of chemical research for the new Sterling-Winthrop Research Institute, a division of Sterling Drug Co., which carries out research for many subsidiaries and divisions of the parent company.

### Has Written Many Articles

Dr. Suter is author or co-author of a number of patents and more than 50 articles in various fields of organic chemistry. He is a member of the American Chemical Society, American Association for the Advancement of Science and a number of scientific and scholastic fraternities.

Nobody knows the age of the human race, but everybody agrees that it is old enough to know better.



Norman Derryberry, of Field Maintenance, is one of the many fishermen of note around Y-12, along with Mrs. Derryberry, but a recent trip to Fort Loudoun Lake almost proved costly from a financial standpoint. They had concluded their fishing and were on the way home when Mrs. D. found she had left her purse with about \$100 in it on the lake bank. Hurrying back they ran into John Price, of the Superintendents Department, and his wife, who also had been fishing. The Derryberrys heaved a sigh of relief when the Prices reported they had saved the purse and contents—so they are calling Johnny "Honest John" around the premises now.

Maintenance Utilities Department news is that Lonnie Nelson spent a week's vacation in Wartburg . . . Get well wishes are extended to the wife of Morris Bailis—she is ill in the Oak Ridge Hospital . . . B. F. Nicely is vacationing in Knoxville for a couple of weeks and Leonard Walker also is on a two-week vacation. . . . Folks on one-week of vacation are J. W. Fox and R. B. Amos, the latter spending most of his time fishing.

Returning to Field Maintenance activities—most of seems to be vacationing by several members. . . . One-week jaunts are being made by Wiley Cook, H. J. Tate and R. E. McGill.

J. C. Ezell, of Electrical Maintenance, is taking one week of vacation time moseying around the trout streams near Fontana Lake, N. C., to partake in one of his favorite sports—fishing. He is saving the other week for hunting wild boar in the autumn over in Tellico Forest . . . Sam King is back on the job after a siege in the hospital . . . C. A. Gregory has returned to work and is receiving expressions of sympathy over the recent death of his mother that required him to be absent for several days. . . . E. B. Kimbro vacationed last week, believed somewhere in Kentucky . . . Other vacationers in the department and their headquarters during same are F. A. Watson, Oak Ridge; J. R. Helton, visiting relatives in Nashville; and E. H. Kelly, who worked on his new home near Powell . . . Get well wishes are extended to M. C. Gore.

Folks down in Isotope Research and Production have a new theme song—Harold Green's new ditty "One Date Too Many." Harold must have been hiding in A Flat for few knew of his song-writing proclivities until it was revealed just a day or so ago that the number for which he wrote the music has been plattered in California.

Plant Protection Superintendent T. A. McKenzie has returned from a Down East trip to Brookhaven National Laboratory of the AEC on Long Island where he attended a meeting of AEC and contractors' fire and safety personnel and also to Atlantic City for a session of the National Fire Protection Association . . . Incidentally "Mack" is most proud over the fact that his daughter, Vivian, recently won a scholarship to the University of Chattanooga in a competitive examination.

Opal Griffin, of Employee Relations, is vacationing for a week in Albany, Ga., and Daytona Beach . . . Bob Cantrell has been looking up major league baseball schedules for weeks in preparation for his trip to Cleveland where he hoped to watch the Indians and Yanks meet Monday night—and if it rained don't try to speak to him for a week.

Penny Keene, of Medical, is ill at home and is receiving quick recovery wishes from fellow employees.

W. B. Plemens, of Stores, and family are vacationing for two weeks in St. Louis, Mo.

The Guard Department is congratulating two of its men in blue over becoming members of the P. P. of A. C. (Proud Papas of America Club) recently . . . George McPherson is boasting of the baby girl born at Fort Sanders Hospital in Knoxville May 10, weighing five pounds and four ounces. She has



Y-12 Photos By Vince Moore

been named Rhonda Carol . . . J. D. Quinn balanced matters by becoming father of a son born May 16 at Knoxville General Hospital. He was named Eddie Michael and weighed in at eight pounds. . . . James Stapleton is vacationing for two weeks at Morristown . . . J. C. Booher and E. R. Johnson also are two-weekers and both plan to go to Cincinnati with the latter possibly going to Indianapolis for the Memorial Day automobile races.

Tom McNamara, of Planning and Estimating, has given up on his recent activities in amateur ornithology—it hurts. Seems as how Tom was becoming a little too inquisitive over progress being made by progeny of a blue jay and Mama Jay didn't like it a darn bit. She is reported to have swooped on the inviting surface of Tom's head with the power of a jet fighter, putting the victim in inglorious flight. When news of this foul deed reached Y-12 Tom had many miserable minutes, particularly when one wag questioned as to whether the assailant was a blue jay or a woodpecker.

After reporting McNamara's experiences Planning and Estimating comes back to report that Chris Sparkman and Emma Russell spent Mother's Day at their respective homes in Sparta, Tenn.

Helen Grady, of Chemical Research, spent a recent one-week vacation in Benton Harbor, Mich. . . . Virginia (Bowers) Smith spent Mother's Day with her mother in Newport, Tenn.

"Arkie" Jamison, of the Analytical Laboratory, and his wife are vacationing for two weeks in Chicago and Canada . . . Jim Charles went over to Durham, N. C., for his vacation.

Nancy Gassaway, of the Cafeteria, is down at her home in Lenoir City on vacation.

J. W. Ebert, of the Chemical Department, Y-12's expert on dog affairs, is in New Jersey.

Helen Cunningham, of Manufacturing Offices, is vacationing at her home in Alcoa.

Matthew Wisnowski, of Plant Engineering, and some other Y-12ers, went over to Fontana, N. C., over the week end for the annual folk dance festival there. Mat is a co-leader of the Oak Ridge Folk Dance Club.

The Assay Laboratory tells us that Olean Rutland spent the week end with her folks at Cherokee, Ala. . . . Mattie Anderson and Shirley McKay are off again on their yearly pilgrimage to Suntan Land at Daytona Beach for a week . . . H. O. Finley is spending a week fishing and working on his cabin at Chigger Ridge (that must be up behind Scratch Mountain. . . . Juanita Hendon plans to attend the automobile races at Indianapolis on Memorial Day . . . D. L. Glover vacationed for a week at Nag's Head, N. C.

Through collaboration of Evan Means, of Electrical Maintenance and other Y-12 reporters comes more fishing yarns. Russ Hooper, of the Machine Shop, did a real

MRS. JOHN W. HUGHEY, WIFE OF THE CHIEF OF THE Y-12 Fire Department, was honoree at a surprise party last Wednesday night when Mrs. C. S. Huffman and Mrs. T. H. Dunigan were hostesses. At top guests enthusiastically play "bunco" while at left are Mrs. Hughey, seated; Mrs. Dunigan looking over her shoulder; and Mrs. Huffman. Guests included Mesdames Jerry Hastings, J. E. Lain, Tommy Chambers, Aubrey Langdon, C. A. Beatty, W. O. Elam, J. D. Hayes, Dave Turner, Van Cooley, John Webb, S. H. Holland, George W. Ridenhour, William S. Mills, John J. Lane, J. R. Justice, Jo Ann McInturff, Virginia Bair, M. A. Fry, Lester Ryan, Guy E. McMillion, W. W. Reynolds and W. P. Hale, Jr., and Misses Mary Lou Pate and Betty Hughey.

tour of the vicinity while vacationing—wetting lines at Fontana, Douglas and Fort Loudoun Lake, all with unusual success . . . Then comes the story of "beginner's luck" told on G. I. Davis, of the Fire Department, who accompanied a couple of old timers, Capt. Ray Ledford, of the Guard Department; and J. L. Titlow, Electrical Maintenance; on a fishing foray. Ledford got away swimmingly and then started kidding the others. Davis retaliated with a seven-pound bass and Titlow a 30-inch catfish.

The Stores Department welcomes Emma Puckett back to work after an appendectomy . . . Billie Kelly is vacationing for a week in Oak Ridge . . . W. C. Anderson had as recent guests his two daughters, both former Y-12ers . . . They were Mrs. Anna Faye Lee and her husband, of Detroit, Mich., and Miss Eris Anderson, who is attending a theological seminary at Fort Worth, Tex. The entire family went to Boma, Tenn., to spend Mother's Day with relatives. . . . T. S. Curtis spent a recent week end in Kingsport remodeling his home there . . . J. L. Hamon spent a recent week end at Caryville in the Cumberland Mountains.

W. A. Bell, Jr., and family are in Neeley, Miss., and New Orleans on vacation . . . The Joes, Walton and Patton, reported some good luck while fishing recently at Douglas Lake . . . Edith Zarzecki and her husband got around quite a bit by week-ending at Fontana and then motoring to Birmingham, Ala.

Stanley Fulkerson, Frank Knox, Arnold Olson and W. H. Hoese attended a recent American Society for Metals meeting in Knoxville . . . Dr. C. E. Normand and Mrs. Normand received a visit from their son, Tom, over the past week end. He is a student at the University of Chattanooga.

L. H. Perry, of the Fire Department, is vacationing for a week at home in Knoxville.

Mozelle Rankin, of the Electromagnetic Research Laboratory; and Elizabeth Mitchell, of Uranium Control and Computing; are vacationing with their folks in Texas. (Watch out, girls, they flushed a Republican down there recently.)

Now, with all this and that vacationing, fishing, home building and other vacation activities—why don't someone come across with some good snapshots of the pleasant times spent? The Bulletin will welcome any pictures suitable for publication.

The only one who should put faith in a rabbit's foot is a rabbit.

## Wife Of Y-12er In Final Show By Playhouse

Mrs. Marshall Lockhart, wife of George Lockhart, of the Y-12 Planning and Estimating Department, has a leading role in the final production of the season by the Oak Ridge Community Playhouse. She will play the part of "The Widow Hopewell" in the melodrama, "Love Rides The Rails," to be presented by the amateur thespians at the Oak Terrace for six nights, beginning next Wednesday, May 31.

"Love Rides The Rails" is a thriller with settings in the Gay Nineties. The audience will be seated at tables in the hall and may order refreshments during the performance. Musical numbers of the period, including some real old-fashioned tear-jerkers, will be presented and about 12 specialty numbers will be offered between scenes and acts.

Evan Means, of the Y-12 Electrical Maintenance Department, is stage manager for the production.

## Fishing Licenses Should Be Obtained

Y-12 fishermen who have not yet obtained fishing licenses and who intend to take to the waterways in search of elusive piscatorial prey are warned to obtain the licenses before venturing out with pole and line. The licenses for Tennessee residents sell for \$2 each and are good for both fishing and hunting. They will be valid for one year from date of sale and the \$2 expended for the licenses is a lot cheaper than the cost would be if a game warden finds a fisherman or hunter without the permit.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Herman L. Dickerson, Electromagnetic Research Laboratory; Betty Jane Sherman, Analytical Laboratory; Mary F. Williams, Janitors; Barton B. Thornton, Manufacturing Offices.



# Y-12 SOFTIES, CARDINALS EACH DIVIDE PAIR



**THEM'S BUMS, FOR SURE—FOR DANG SURE.** MEMBERS of the Plant Softball League team by the same name are, from left front row, Hugh Rice, Kenneth Brown, L. C. Martin (holding Martin junior), H. E. Argo and Andy Anderson. In the back row are Pat Francis, I. J. Shotts, Roy Hale, Jess Harmon, L. A. Walton, W. R. McGill, M. C. Bays and George Oliphant.



**HERE'S A BIT OF ACTION IN THE OPENING PROGRAM** of the Plant Softball League. McGinnis, of the Rippers, bangs the ball and disappoints George Marrow, All Stars catcher, who wanted it over for a strike. The umpire is R. G. Williams.



**SHOWN ABOVE IS THE ISOTOPES TEAM OF THE PLANT** Softball League. From left in the back row are Wes Savage, Tom Crabtree, F. A. Doss, Joe Patton, Bill Cottrell, Carl Frazier, Joe Walton and Bill Cobb. In front of them are players G. S. Chilton, T. J. Stephens, Bob Love and Paul Griffin. Way down front, the "Little Isotopes" are Roy Savage, Robert Cobb, Jimmy Love, Gordon Cobb and David Griffin.

## Bldg. 9212, Rippers Take Lead In Opening Plant Loop Tilts

The Plant Softball League teams managed to get in four games through last Thursday night in launching the 1950 season with all five outfits seeing action. When the scoring was over Bldg. 9212 and the Rippers were tied for first place with one game won each against no defeats.

### Three Games High Scoring

Three of the four games were high scoring affairs. Bldg. 9212 ran up 17 runs against the Bums and the Bums did likewise against the Isotopes. The Rippers tallied 14 times in their clash with the All Stars.

The closest game of the four was the 5 to 3 victory by the All Stars over the Isotopes. Each team got only five hits and the errors were evenly divided at two each.

### Two Games Set Thursday

The schedule calls for the All Stars and Bldg. 9212 to battle at

with the Rippers and Isotopes 6:30 p.m. Thursday night, May 25 meeting at 8 p.m. the same night. A rest will be taken over the Memorial Day holiday and hostilities resumed Thursday night, June 1 when the Isotopes and Bldg. 9212 will meet at 6:30 p.m. and the Rippers and Bums will battle at 8 p.m.

Results and standing of the clubs in games played through last Thursday follow:

Team	R	H	E
All Stars	130	102	1885
Rippers	203	801	14107

Team	R	H	E
Isotopes	310	102	11129
Bums	405	062	17167

Team	R	H	E
Isotopes	001	000	2352
All Stars	111	020	5552

Team	R	H	E
Bums	240	100	67115
Bldg. 9212	112	490	17122

Team	W	L	Team	W	L
Bldg. 9212	1	0	All Stars	1	1
Rippers	1	0	Isotopes	0	2
Bums	1	1			

Health experts agree that young children should have codliver oil or one of the other fish-liver oils every day for Vitamins A and D.

## Oliver Springs Easy Victims; R-A Has Big Inning To Bag Triumph

The Y-12 Cardinals caught the Old Rainmaker off first base last week and managed to get in a pair of games on Friday and Sunday nights. In their opener on Friday the Cards walloped Oliver Springs by 12 to 5 but on Sunday night the Roane-Anderson outfit took advantage of one big inning to trim the red and white by 8 to 5.

Against Oliver Springs the Cards got out in front and stayed there, despite the fact that the opposing pitchers whiffed 13 men. Lister, hurling for the Cards, struck out eight and walked four. Wright went three for four, Noe three for five and Grimes two for four in this one.

The Cards had Roane-Anderson by 3 to 2 when that bad inning struck in the sixth. Before the fireworks was over R-A had sent 12 men to the platter. Five of them hit safely, two were passed and two Y-12 errors permitted six runs to come in and church was out. Johnson started on the hill but was relieved by Lister in the sixth and the latter put out the fire. Y-12 outit Roane-Anderson but also outfumbled the victors. Robinson and Johnson each got two for four at the plate and Fred Guttery banged out two for five.

Line scores follow:

Team	R	H	E
Oliver Springs	020	020	001584
Y-12	300	110	25x12111

Batteries: Oliver Springs, Wright, Davis and Davis. Y-12, Lister and Noe.

Team	R	H	E
R-A	001	106	000884
Y-12	100	022	000596

Batteries: Roane-Anderson, Case and West. Y-12, Johnson, Lister (6) and Noe, Robinson.

The Oak Ridge City League schedule for the remainder of the first half of the season follows:

Wednesday, May 24—Y-12 at K-25.  
Thursday, May 25—Lake City at ORNL.  
Friday, May 26—Oliver Springs at Community Stores.

Tuesday, May 30—Oliver Springs at Lake City.  
Wednesday, May 31—Roane-Anderson at K-25.

Thursday, June 1—ORNL at Y-12.  
Friday, June 2—Community Stores at Roane-Anderson.

Sunday, June 4—Make-up date.  
Sunday, June 4—Y-12 at Lake City.  
Monday, June 5—Make-up date.

Tuesday, June 6—K-25 at Oliver Springs.  
Wednesday, June 7—ORNL at Roane-Anderson.

Thursday, June 9—Make-up date.  
Friday, June 9—K-25 at Community Stores.

Sunday, June 11—Y-12 at Community Stores.  
Sunday, June 11—Roane-Anderson at Lake City.

Monday, June 12—ORNL at K-25.  
Tuesday, June 13—Y-12 at Oliver Springs.

Wednesday, June 14—Lake City at Community Stores.  
Thursday, June 15—Oliver Springs at ORNL.

Friday, June 16—K-25 at Roane-Anderson.  
Sunday, June 18—Roane-Anderson at ORNL.

Sunday, June 18—K-25 at Lake City.  
Monday, June 19—Lake City at Y-12.  
Tuesday, June 20—Community Stores at Oliver Springs.

Wednesday, June 21—Roane-Anderson at Y-12.  
Thursday, June 22—Community Stores at ORNL.

Friday, June 23—Oliver Springs at K-25.  
Sunday, June 25—Roane-Anderson at Community Stores.

Sunday, June 25—ORNL at Lake City.  
Monday, June 26—K-25 at Y-12.  
Tuesday, June 27—Lake City at Oliver Springs.

Wednesday, June 28—Y-12 at ORNL.  
Thursday, June 29—Oliver Springs at Roane-Anderson.

Friday, June 30—Community Stores at K-25.

Note—All Lake City home games will be played at Lake City, starting at 3 p.m. Oliver Springs home games will be played at Lake City, starting at 8 p.m. All Oak Ridge home games will be played at Gamble Valley, starting at 8 p.m.

## Sise Hurls 26 Innings In Two Nights; Allows 10 Safeties, Whiffs 30

The Y-12 varsity softball team was wondering last week just how long a scheduled regulation seven-inning could turn out to be. Dick Dew's Dandies played 26 innings last week, only two less than four regular games, but could only come out with a one won and one lost record.

### Few Better Games Seen Here

The two games were a couple of the best ever presented Oak Ridge fans. On Tuesday night, May 16, the Y-12ers chalked up a 7 to 4 victory over the Vagabonds in 11 innings and everybody concerned lost a lot of sleep. However, they hadn't seen anything yet, as on Thursday night curfew had rung long since before the Dandies bowed to Roane-Anderson in a 15—count 'em, 15—inning affair by the score of 2 to 0.

Not enough credit can be given Ed Sise, Y-12's candidate for the Oak Ridge softball Hall of Fame. Ed hurled every one of those 26 innings. The opposition could get but a total of 10 hits in that time. He whiffed 30 batters and allowed but six bases on balls. That, good folks, is pitching.

### Will Seek Revenge Friday

The next scheduled appearance of the distance-running Y-12ers is scheduled for 9:15 o'clock Friday night, May 26, when the red and white will be seeking revenge against K-25 for the 9 to 0 white-washing handed out in the season's opening game. Then after the Memorial Day holiday Y-12 is slated to tackle Oak Ridge National Laboratory at 9:15 o'clock Friday night, June 2. Dew's team also was scheduled to play Oak Ridge Motors Monday night of this week.

Roane-Anderson started "Hard Rock" Stone against Y-12, and although he kept our side away from the plate, his control left much to be desired so Loy took over after four and two-third innings. Between them they limited Y-12 to three hits, two by Wright and one by Snyder. Stone whiffed three and Loy 15 and between them they allowed nine passes.

### Loy Quells Y-12 Threats

Manager Dew's team threatened several times and it looked as if scores might result in the eighth when Hale got around to third and again in the ninth when McGill made the same progress. However, Loy bore down and continued his domination.

Size was keeping R-A in check all the way until the top of the 15th. McMillan led off with a single and swiped second. Wolf walked and Seivers' bunt moved the runners to second and third. Loy won his own game with a single to left center to tally McMillan and Wolfe came in on a fly by Montgomery.

### Y-12 Rallies Against Vagabonds

The Y-12ers came from behind to wallop the Vagabonds, who went out in front with three runs in the fourth. Y-12 got a pair in the fifth, then tied it up in the seventh. Both teams scored singletons in the eighth and goose eggs were the style until the top of the 11th when Y-12 broke loose with three runs to ice the decision and send the faithful rooters home sleepy but satisfied.

Sise allowed only six hits in that marathon against R-A and but four to the Vagabonds. A total of 14 R-A riflemen struck out while 16 of the Vagabonds bit the dust before Sise's slants.

In the Vagabond game Y-12 batters rapped out 10 hits, including two each by Gordon, McGill and Sise.

Line scores of those sparkling struggles follow:

Team	R	H	E
R-A	000	000	000002262
Y-12	000	000	000000031

Batteries: Y-12, Sise and Hale. Roane-Anderson, Stone, Loy (4) and Seivers.

Team	R	H	E
Y-12	000	002	110037103
Vagabonds	000	300	01000445

Batteries: Y-12, Sise and Hale. Vagabonds, Stover, Hawkins (6) and Evans.

## SPORTS NEWS

## Hooks Take Golf Loop Lead By Ripping Win

The Hooks took the lead in the Y-12 Golf League last week by a slim half-point margin over the Four Hundreds as they turned in a 13½ to 22½ victory over the Rippers while the Rough Riders roughed up the former loop leaders by 15 to 21. Other league matches found Bldg. 9212 trimming the Deacons by 10 to 26, the Green Rays edging out the Four Woods by 17½ to 18½ and the Left Overs barely topping the Chippers by the same score.

In a match postponed from earlier in the season because of rain Bldg. 9212 turned in a 14 to 22 victory over the Green Rays.

All scheduled matches had been played in the league through last week and the standing of the clubs follow:

Team	W	L	Team	W	L
Hooks	3½	1	Left Overs	2	2
Four Hundreds	3	2	Rippers	2	3
Rough Riders	3	2	Four Woods	2	3
Bldg. 9212	3	2	Dcacons	2	3
Green Rays	2½	2	Chippers	1	3

## Y-12 Summer Bowling Team Tied For Lead In League

The Y-12 team in the recently organized Oak Ridge summer bowling loop share honors with Roane-Anderson after two rounds of play with seven points won and one point lost each. The Y-12ers most recent triumph was a three-point victory over the Alsten Co. keggers. Game scores were 765, 816, 769—2,350 for Y-12 and 756, 666, 776—2,198 for the losers.

Kendig topped the Y-12 pin smashers with 159, 185, 143—487. Close behind was Riddle with 155, 131, 192—478; Gragg 166, 146, 163—475; Duckworth 144, 176, 144—464; and Parks 141, 178, 127—446.

There are 12 clubs in the summer league. In addition to Y-12 and Alsten other teams are Oak Ridge Heating and Plumbing, Jefferson Billiard Parlor, Oak Ridge Institute of Nuclear Studies, Kaighan-Hughes, Oak Ridge National Laboratory, J. A. Jones Co., Hilltop Market, K-25, Hageman Electric and Roane-Anderson.

## Jonesboro Softballers Lose Twin Bill To Y-12 Outfits

The Y-12 varsity softball teams invaded Jonesboro, Tenn., Saturday night and handed the home towners a twin defeat. The Robins brought home a wild 17 to 8 victory while the men came out on top by the score of 10 to 3.

Both Y-12 teams got out in front early and won going away. The Robins batted freely, Brown, Aikman, Loy, Weaver and Hutcheson all weilding lusty willows. In the men's game, Y-12's "borrowed" hurler, Loy, whiffed 19 hitters and aided in the victory by doing some timely hitting, along with Ed Sise and Wright.

Line scores follow:

WOMEN'S GAME										
Team	W	L	Team	W	L	R	H	E		
Y-12	4	4	1	1	0	0	7	17	15	4
Jonesboro	1	2	0	0	0	1	4	8	9	6
MEN'S GAME										
Team	W	L	Team	W	L	R	H	E		
Y-12	3	0	2	0	3	0	2	10	11	4
Jonesboro	0	0	0	2	0	2	1	3	3	6

Team	R	H	E
Y-12	302	030	210114
Jonesboro	000	020	1336

The normal human adult of average weight has approximately 12 to 13 pints of blood in his body.

Not what we have, but what we enjoy, constitutes our abundance.

## More Sport News On Page Four



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## 'Headlines In Chemistry' Programs Tell Of Role Of Science In Everyday Living

(Continued from Page 1)

many major radio programs are on the air.

"Headlines in Chemistry" programs first were presented to Oak Ridge and Knoxville in February, 1949, when a radio committee of the East Tennessee Section of the ACS made arrangements for airing the programs over WATO and Station WKGW, of Knoxville. C. D. Susano, of the Y-12 Technical Service Laboratory; and Joseph E. Lee, former Y-12er, worked long and hard with other ACS members to develop the project. A. C. Noonan, of the University of Tennessee chemistry department, was chairman of the radio committee. Other members at that time included A. C. Jealous, former Y-12er now with ORNL, Leonard Fromm and A. S. Olson.

### Y-12ers On Programs

This year Sidney Katz, of the K-25 laboratory division, is program chairman. C. E. Thornton, of the Atomic Energy Commission, schedules and edits interviews before they go on the air. Chemists from all Carbide Oak Ridge plants contribute time and talents in presenting subjects. Y-12ers Susano, Roberta McCutcheon and V. C. Jackson have appeared on recent programs, Susano on last Sunday night speaking on chemistry in cosmetics. Warren Rysen, of K-25, frequently is on the program as interviewer.

The typical "Headlines in Chemistry" program consists of a short talk on some certain topic and then a brief resume of other recent accomplishments in the field of chemistry. Some of the newsworthy subjects presented cover synthetic milk reported better for some children than mother's milk; new soapless soaps that kill odors, dirt and germs; developments in medicine and other products of the chemical laboratories.

Careful preparation goes into every program to avoid dullness that would kill listener's interest and the committee takes extreme pains in assembling material for each broadcast.

### Progress In Field Described

In his talk last Sunday night on cosmetics Susano briefly described progress in the field and strides made in eliminating dangerous features of early materials used for the purpose.

A resume of his talk follows:

"The tremendous advances which have been made during the past 50 years in the science and industry of chemistry have been applied with increasingly greater success in the art of cosmetics. One needs only to reflect on the status of cosmetics during the twenties and some of the prejudices which existed at that time to realize that the products now offered for sale over the counters in drug stores and 5 and 10 cent stores are of better quality, can be used without fear of injury or disfigurement, and that they may be obtained at a cheaper price. The practice has not always been thus.

"The art of cosmetics is not new—evidences of women using finely ground lead carbonate, a dangerous poison, as a face powder and of the use of perfumes has been unearthed in the tombs of the ancients. Indians painted their faces and bodies with many hues and shades of brightly colored paints. They firmly believed that this practice gave them greater strength in their never-ending battles against the white man and the beasts of the forest, chased the evil spirits from their infirm bodies,

and gave them greater encouragement in whatever their undertaking. In the practice of voodooism in some portions of the world today, the same habits and customs still prevail.

"The practice of beautifying the body by artificial means is not confined solely to the female species—it might be said, and I believe rightly so, that the male has, at least until recent years, been the chief practitioner of the art. You, no doubt, recall from literature how the courtiers of the kings of France powdered their wigs and used perfume.

### Science Contributes To Industry

"The science of chemistry has not been particularly interested in the art of cosmetics as such, but it was inevitable that chemists, toxicologists, dermatologists and general practicing physicians would some day be called upon to explain the cause and cure of certain maladies which have been definitely attributable to certain cosmetics and to apply their talents to the production and testing of better materials for what now happens to be a billion dollar industry.

"What are cosmetics? They include such items as talcum powder, cold creams, vanishing creams, powder bases, finger nail and toe nail polishes, hand lotions, lipstick, rouge, eyelash preparations, deodorants, depilatories, facial packs and so on. The most common and most important beautifying aid is soap.

"We have often heard discussions on what has been the most important discovery made by man—some have said the wheel, some say radio, some prefer to mention the steam engine,—but here again permit me to mention another common omission, soap. Although many advances have been made in the art of cosmetics, soap still retains its first position as a beautifying aid. As a matter of fact, it is used as the base in a large number of face creams and shampoos.

"The chemical industry is now producing greater and greater tonages of milder soaps and superior detergents, especially for commercial products which eventually find their place on miladies' dressing table.

### Permanent Waves Cited

"I'm sure that some ladies will recall how a permanent used to cost anywhere from \$10 to \$50 and even more, depending on the number of curls, and how far milady had to travel to the hairdresser. Today, however, a permanent concoction can be obtained in any store retailing cosmetics which cost less than \$5 and when used correctly give permanents which are, according to manufacturers' advertisements, indistinguishable from the real thing done by experts.

"The purity of materials which are used in the cosmetic industry is today the first consideration of the manufacturing industry, and in this regard the chemist is indispensable. It is his responsibility to produce materials which can be used without fear of disfigurement and injury to the user of cosmetics. Today, one shudders at the complete and utter disregard of common sense or ignorance in the use of certain highly toxic and dangerous substances in cosmetics which was evident in the past. The controls used today both by government and reputable industries virtually eliminate the possibility of such disastrous consequences as have been observed in the past."



HERE'S HOW "HEADLINES IN CHEMISTRY" PROGRAMS ARE PREPARED. SIDNEY KATZ, of K-25, seated left, receives help from other American Chemical Society members in planning material to present in the weekly broadcasts. Seated next to Katz are Joseph Ruzicka, of the Atomic Energy Commission; Roberta McCutcheon, Y-12; and A. B. Merservy, K-25. Standing from left are James Cox, Oak Ridge National Laboratory; Charles Knezel, AEC; Art Miller, NEPA Division of Fairchild; and V. C. Jackson, of Y-12.



SHOWN ABOVE ARE TWO Y-12ERS WHO HAVE APPEARED recently on the radio program, "Headlines in Chemistry." V. C. Jackson, of the Analytical Laboratory, left, spoke on "soil-less" agriculture; while Roberta McCutcheon, of the Technical Service Laboratory, gave a report on developments in the scientific field. They were on different programs. The programs are heard every Sunday night at 9:15 o'clock over Oak Ridge Station WATO.

## Robins Turn In Another Win Over K-25 Softball Lassies

The Y-12 Robins continued their mastery of the K-25 lassies on the softball diamond last week by turning in a 11 to 5 victory over the gals from down Clinch River way. Pat Roberts twirled for the Y-12ers and held the opposition to four hits while her mates banged out nine. Bonnie Roberts, the other half of the sister act who does the catching for the family, banged out four of the safeties and Helen Aikman got three, as did Helen Brown.

Score by innings:

Team K-25 1 4 0 0 0 x 5 4 4

Y-12 4 1 0 1 5 x x 11 9 3

## Tennis Team Hopes To Trim Two Foes

The Y-12 men's tennis team has matches scheduled next Wednesday, May 31, and Friday, June 2 against Fairchild and AEC respectively and hope to improve their league standing considerably with wins over these two teams. The netters, led by Mal Wallis, were scheduled to have met Oak Ridge National Laboratory Tuesday of this week. In an outing last week the Y-12ers were walloped by K-25 by six matches to one, Allen Hodges being the lone victor for Y-12 although other matches were mostly on the close side.

### DEFENSE GROUP NAMED

The Raleigh News and Observer has announced that Governor Scott has appointed a committee of four to visit Washington and confer with federal officials on plans for civilian defense.

## Care To Avoid Traffic Jams In Lot Urged

As the Harrison Construction Co., of Maryville, extends work on improvement of the North Portal Parking area more and more motorists are finding it necessary to find parking space in the temporary lot provided to the west of the permanent parking area.

The Guard Department urges all Y-12ers utilizing the temporary parking area to use care in leaving their automobiles so as not to block the lanes provided and which are marked off by lines of rock. All parking should be done at a 90 degree angle to the rock lines room as possible left in the roadways.

Observance of usual parking rules and courtesy will eliminate any possible congestion that might arise by improper parking in the temporary lot and the cooperation of all Y-12ers is asked in the effort to keep traffic moving smoothly.

## British Industry In Atomic Field

British industry has entered the field of atomic research and radioactive isotope development with the formation of a new company backed by industrial corporations, it has been announced in the London Recorder. The paper says the new company will act as an advisor on control mechanisms using isotopes and also will develop and supply specialized installations needed by industry.

## Lead In Attendance Is Taken By Guards

(Continued from Page 1)

was taken by Plant Engineering with an absentee record of .6 per cent. This department was in eighth place during the week ending May 7. In third place was the Technical Service Laboratory with .8 per cent of its personnel absent and which was in fifth place the preceding week.

### Plant Absenteeism Rises

The plant-wide absentee record jumped .4 per cent for the week ending May 14 over the previous week's 1.6 per cent mark that tied the record for low absenteeism established for the week ending December 11, 1949.

The record for the week ending May 14, by departments, follows:

MAJOR LEAGUE			
Dept.	Percentage Absent	Scheduled Standing	5-14-50 5-7-50
2091	0.2	1	8
2015	0.4	2	1
2014	0.9	3	4
2616	1.2	4	6
2003	1.3	5	9
2619	1.4	6	3
2300	1.5	7	2
2283	2.5	8	10
2142	2.6	9	12
2320	3.4	10	7
2077	3.8	11	5
2360	4.1	12	13
2282	4.8	13	11

Group absentee percentage was two per cent, .5 per cent higher than the preceding week.

MINOR LEAGUE			
Dept.	Percentage Absent	Scheduled Standing	5-14-50 5-7-50
2008	0.0	1	1
2096	0.0	1	1
2005	0.0	1	1
2107	0.0	1	1
2739	0.0	1	2
2143	0.0	1	4
2002	0.0	1	7
2060	0.6	2	8
2270	0.8	3	5
2743	2.3	4	1
2200	3.5	5	6
2133	5.5	6	3
2001	5.8	7	9
2140	9.4	8	10

Group absentee percentage was 2.1 per cent, .1 per cent higher than the preceding week.

The plant average for the week ending May 14 was two per cent, .4 per cent higher than the preceding week.

## ORNL Division Man To Give Talk At Chemistry Seminar

The Oak Ridge Chemistry Seminar will hold its monthly meeting at 4 o'clock Wednesday afternoon, May 24, in the East Lounge of the Ridge Recreation Hall. Y-12ers interested in the meetings are invited to attend.

Dr. Henry Zeldes, of the Oak Ridge National Laboratory chemistry division, will be the principal speaker. His topic will be "Separation of Noble Gas Activities."